Sub	What is claimed is:
1 A2	1. A data usage controlling apparatus that
2 (	(1) reads a type 1 key from a storage unit and
. 3	(a) main data,
4	(b) an encrypted type 2 key produced by
5	encrypting a type 2 key using the type 1 key, and
6	(c) encrypted condition information produced
7	by encrypting condition information using the type
8	2 key
9	from a recording medium,
10	(2) decrypts the encrypted condition information
11	using the type 2 key, and
12	(3) controls usage of the read main data based on the
13	condition information,
14	the data usage controlling apparatus comprising:
15	first updating means for updating the condition
16	information in accordance with usage of the read main data;
17	generating means for generating a new type 2 key in
18	accordance with the usage of the read main data;
19	first encrypting means for encrypting the updated
20	condition information using the new type 2 key and
21	replacing the encrypted condition information on the
22	recording medium with the encrypted updated condition
23	information;
24	second updating means for updating the type 1 key in
25	the storage unit in accordance with the usage of the read
26	main data; and

27	second encrypting means for encrypting the new type
28	2 key using the updated type 1 key and replacing the
29	encrypted type 2 key on the recording medium with the
30	encrypted new type 2 key.
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1	2. A data usage controlling apparatus that
2	(1) reads a type 1 key from a storage unit and a set
3	including
4	(a) main data
·5	(b) an encrypted type 2 key produced by
6	encrypting a type 2 key using the type 1 key, and
7	(c) encrypted condition information produced
8	by encrypting condition information using the type
9	2 key
10	from a recording medium on which n (where n is
11	an integer no less than two) sets of main data, an
12	encrypted type 2 key, and encrypted condition
13	information are recorded,
14	(2) decrypts the encrypted condition information
15	using the type 2 key, and
16	(3) controls usage of the read main data based on the
17	condition information,
18	the data usage controlling apparatus comprising:
19	generating means for generating a new type 2 key in
20	accordance with usage of the main data;
21	first encrypting means for encrypting the condition
22	information using the new type 2 key and replacing the

23	encrypted condition information on the recording medium
24	with the newly encrypted condition information;
25	decrypting means for decrypting all (n-1) encrypted
26	type 2 keys on the recording medium that are not included
27	in the read set using the type 1 key;
28	updating means for updating the type 1 key in the
29	storage unit after the decrypting means has decrypted all
30	(n-1) encrypted type 2 keys; and
31	second encrypting means for encrypting the (n-1) type
32	2 keys and the new type 2 key using the updated type 1 key
33	and replacing all n encrypted type 2 keys on the recording
34	medium with the newly encrypted type 2 keys.
1	
1	3. A data usage controlling apparatus in accordance with
2	Claim 2, further comprising:
3	second updating means for updating the condition
4	information in accordance with usage of the read main data,
5	wherein the first encrypting means encrypts the
6	updated condition information using the new type 2 key and
7	replaces the encrypted condition information on the
8	recording medium with the encrypted updated condition
9	information.
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1.	4. A data usage controlling apparatus in accordance with
2	Claim 3,
3	wherein the gemerating means generates a new type 2
4	key every time a user makes a predetermined number of uses

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    of the main data on the recording medium, and
          when the generating means has not generated a new type
 6
 7
    2 key, the first encrypting means re-encrypts the updated
 8
    condition information using a same type 2 key as was used
    to decrypt the encrypted condition information.
 9
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    5. A data usage controlling apparatus in accordance with
 1
 2
    Claim 2,
          wherein the main data in each set on the recording
 3
 4
    medium has been encrypted using a type 3 encryption key,
 5
          the data usage controlling apparatus further
 6
    comprising:
 7
          obtaining means for obtaining the type 3 encryption
 8
    key; and
    second decrypting means for decrypting the read main data
 9
    using the obtained type 3 encryption key.
10
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    6. A data usage controlling apparatus in accordance with
 2
    Claim 2,
          wherein the main data in each set on the recording
 3
    medium has been encrypted using a type 3 encryption key
 4
    that is unique to the data usage controlling apparatus,
 5
          the data usage controlling apparatus further
 6
 7
    comprising:
 8
          storing means for storing the type 3 encryption key;
 9
    and
    second decrypting means for decrypting the read main data
10
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11	using the stored type 3 encryption key.
1	
1	7. A data usage controlling apparatus in accordance with
2	Claim 2,
3	wherein the updating means updates the type 1 key by
4	performing a predetermined calculation on the read type
n/5	1 key.
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1	8. A data usage controlling apparatus in accordance with
2	Claim 2,
3	wherein the updating means updates the type 1 key by
4	adding one to the read type 1 key.
1	
1	9. A data usage controlling method that
2	(1) reads a type 1 key from a storage unit and
3	(a) main data,
4	(b) an encrypted type 2 key produced by
5	encrypting a type 2 key using the type 1 key, and
6	(c) encrypted condition information produced
7	by encrypting condition information using the type
8	2 key
9	from a recording medium,
10	(2) decrypts the encrypted condition information
11	using the type 2 key, and
12	(3) controls usage of the read main data based on the
13	condition information,
14	the data usage controlling method comprising the

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15	following steps:
16	updating the condition information in accordance
17	with usage of the main data;
18	generating a new type 2 key in accordance with the
19	usage of the main data;
20	encrypting the updated condition information using
, 21	the new type 2 key and replacing the encrypted condition
22	information on the recording medium with the encrypted
23	updated condition information;
24	updating the type 1 key in accordance with the usage
25	of the main data; and
26	encrypting the new type 2 key using the updated type
27	1 key and replacing the encrypted type 2 key on the
28	recording medium with the encrypted new type 2 key.
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1	10. A computer-readable recording medium storing a program
2	that
3	(1) reads
4	a type 1 key from a storage unit and
5	(a) main data,
6	(b) an encrypted type 2 key produced by
7	encrypting a type 2 key using the type 1 key, and
8	(c) encrypted condition information produced
9	by encrypting condition information using the type
10	2 key
11	from a recording medium,
12	(2) decrypts the encrypted condition information

13	using the type $2 \ker$ , and
14	(3) controls usage of the read main data based on the
15	condition information,
16	the program including instructions for executing the
<i>1</i> 17	following processes:
18	updating the decrypted condition information in
19	accordance with usage of the main data;
20	generating a new type 2 key in accordance with usage
21	of the main data;
22.	encrypting the updated condition information using
23	the new type 2 key and replacing the encrypted condition
24	information on the recording medium with the encrypted
25	updated condition information;
26	updating the type 1 key in accordance with usage of
27	the main data; and
28	encrypting the new type 2 key using the updated type
29	1 key and replacing the encrypted type 2 key on the
30	recording medium with the encrypted new type 2 key.
31	